#11

PAGE: 1

Mschmidt

RAW SEQUENCE LISTING

PATENT APPLICATION US/08/978,637A

DATE: 09/03/1999 TIME: 15:08:44

Input Set: H978637A.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

ENTERED <110> APPLICANT: Rabbani, Elazar 1 2 Stavrianopoulos, Jannis G. 3 Donegan, James J. Liu, Dakai 4 5 Kelker, Norman E. Engelhardt, Dean L. 6 7 <120> TITLE OF INVENTION: NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING 8 COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE 9 <130> FILE REFERENCE: ENZ-53(D5).081299 10 <140> CURRENT APPLICATION NUMBER: US/08/978,637A <141> CURRENT FILING DATE: 1997-11-25 11 <160> NUMBER OF SEQ ID NOS: 51 13 <170> SOFTWARE: PatentIn Ver. 2.0 14 <210> SEO ID NO 1 15 <211> LENGTH: 20 16 <212> TYPE: PRT 17 <213> ORGANISM: Influenza virus 18 <220> FEATURE: .19 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide 20 <400> SEQUENCE: 1 Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly 21 22 23 Met Ile Ala Gly 24 20 25 <210> SEQ ID NO 2 <211> LENGTH: 20 26 <212> TYPE: DNA 27 28 <213> ORGANISM: Bacteriophage T7 29 <220> FEATURE: 30 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide 31 <400> SEQUENCE: 2 20 32 tgctctctaa gggtctactc 33 <210> SEQ ID NO 3 34 <211> LENGTH: 15 35 <212> TYPE: DNA 36 <213> ORGANISM: Simian virus 40 37 <220> FEATURE: 38 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide 39 <400> SEQUENCE: 3 40 15 ctctaaqqta aatat 41 <210> SEQ ID NO 4 42 <211> LENGTH: 16 43 <212> TYPE: DNA 44 <213> ORGANISM: Simian virus 40

PAGE: 2 RAW SEQUENCE LISTING DATE: 09/03/1999

PATENT APPLICATION US/08/978,637A TIME: 15:08:44

		Input Set: H	978637A.RAW
4-			
45		FEATURE:	
46		OTHER INFORMATION: Description of Artificial Sequence:peptide	
47	<400>	SEQUENCE: 4	16
48 49	-210-	tgtattttag attcaa SEQ ID NO 5	10
50		LENGTH: 19	
51		TYPE: DNA	
52		ORGANISM: Simian virus 40	
53		FEATURE:	
54		OTHER INFORMATION: Description of Artificial Sequence:peptide	
55		SEQUENCE: 5	
56	(100)	tgctctctaa ggtaaatat	19
57	<210>	SEQ ID NO 6	
58		LENGTH: 19	
59		TYPE: DNA	
60	<213>	ORGANISM: Simian virus 40	
61	<220>	FEATURE:	
62	<223>	OTHER INFORMATION: Description of Artificial Sequence:peptide	
63		SEQUENCE: 6	
64		tgtattttag ggtctactc	19
65	<210>	SEQ ID NO 7	
66	<211>	LENGTH: 19	
67	<212>	TYPE: RNA	
68	<213>	ORGANISM: Bacteriophage T7	
69	<220>	FEATURE:	
70	<223>	OTHER INFORMATION: Description of Artificial Sequence:peptide	
71	<400>	SEQUENCE: 7	
72		ugcucucuaa gguaaauau	19
73	<210>	SEQ ID NO 8	
74	<211>	LENGTH: 19	
75		TYPE: RNA	
76	<213>	ORGANISM: Bacteriophage T7	
77		FEATURE:	
78		OTHER INFORMATION: Description of Artificial Sequence:peptide	
79	<400>	SEQUENCE: 8	
80		uguauuuuag ggucuacuc	19
81		SEQ ID NO 9	
82		LENGTH: 20	
83		TYPE: RNA	
84		ORGANISM: Bacteriophage T7	
85		FEATURE:	
86		OTHER INFORMATION: Description of Artificial Sequence:peptide	
87	<400>	SEQUENCE: 9	20
88	-010 -	ugcucucuaa gggucuacuc	20
89 90		SEQ ID NO 10 LENGTH: 49	
90 91		TYPE: DNA	
92		ORGANISM: Bacteriophage T7	
93		FEATURE:	
93	~220>	FEATURE:	

94 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide

PAGE: 3 RAW SEQUENCE LISTING DATE: 09/03/1999

PATENT APPLICATION US/08/978,637A TIME: 15:08:44

		Input Set: H9	78637A.RAW
95	<400>	SEQUENCE: 10	
96		ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc	49
97	<210>	SEQ ID NO 11	
98	<211>	LENGTH: 55	
99		TYPE: DNA	
100	<213>	ORGANISM: Bacteriophage T7	
101		FEATURE:	
102		OTHER INFORMATION: Description of Artificial Sequence:peptide	
103	<400>	SEQUENCE: 11	
104		gactagttgg tctcgtctct tttttggagg agtgtcgttc ttagcgatgt taatc	55
105		SEQ ID NO 12	
106		LENGTH: 46	
107		TYPE: DNA	
108		ORGANISM: Bacteriophage T7	
109		FEATURE:	
110		OTHER INFORMATION: Description of Artificial Sequence:peptide	
111	<400>	SEQUENCE: 12	4.6
112	0.1.0	ggaattcgtc tcggagaaag gtaaaattct ctgacatcga actggc	46
113		SEQ ID NO 13	
114		LENGTH: 33	
115		TYPE: DNA	
116		ORGANISM: Bacteriophage T7 FEATURE:	
117		OTHER INFORMATION: Description of Artificial Sequence:peptide	
118 119		SEQUENCE: 13	
120	<400>		33
121	-210>	gactagtggt ctccccttag agagcatgtc agc SEQ ID NO 14	33
122		LENGTH: 33	
123		TYPE: DNA	
124		ORGANISM: Bacteriophage T7	
125		FEATURE:	
126		OTHER INFORMATION: Description of Artificial Sequence:peptide	
127		SEQUENCE: 14	
128	, , , ,	ggaatteggt etegggteta eteggtggeg agg	33
129	<210>	SEQ ID NO 15	
130		LENGTH: 27	
131	<212>	TYPE: DNA	
132	<213>	ORGANISM: Bacteriophage T7	
133		FEATURE:	
134	<223>	OTHER INFORMATION: Description of Artificial Sequence:peptide	
135	<400>	SEQUENCE: 15	
136		gactagtcgt tacgcgaacg caaagtc	27
137	<210>	SEQ ID NO 16	
138	<211>	LENGTH: 36	
139		TYPE: DNA	
140		ORGANISM: Bacteriophage T7	
141		FEATURE:	
142		OTHER INFORMATION: Description of Artificial Sequence:peptide	
143	<400>	SEQUENCE: 16	
144		ggaattcgtc tctaaggtaa atataaaatt tttaag	36

DATE: 09/03/1999 TIME: 15:08:44 PAGE: RAW SEQUENCE LISTING

PATENT APPLICATION US/08/978,637A

Input Set: H978637A.RAW

145		SEQ ID NO 17	
146		LENGTH: 40	
147		TYPE: DNA	
148		ORGANISM: Bacteriophage T7	
149		FEATURE:	
150		OTHER INFORMATION: Description of Artificial Sequence:peptide	
151	<400>	SEQUENCE: 17	
152		gactagtcgt ctctgaccct aaaatacaca aacaattaga	40
153		SEQ ID NO 18	
154		LENGTH: 92	
155		TYPE: DNA	
156		ORGANISM: Bacteriophage T7	
157		FEATURE:	
158		OTHER INFORMATION: Description of Artificial Sequence:peptide	
159	<400>	SEQUENCE: 18	
160		ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca	
161		ctcctccaaa aaagagacga gaccaactag tc	92
162		SEQ ID NO 19	
163		LENGTH: 92	
164		TYPE: DNA	
165		ORGANISM: Bacteriophage T7	
166	<400>	SEQUENCE: 19	
167		gactagttgg gctcgtctct tttttggagg aggggggttc ttagcgatgt taatcgtgtc	
168		catggtggta tgcagagctc gagacgaatt cc	92
		SEQ ID NO 20	
170		LENGTH: 73	
		TYPE: DNA	
172		ORGANISM: Artificial Sequence	
		FEATURE:	
174		OTHER INFORMATION: Description of Artificial Sequence:OLIGO	
175	<400>	SEQUENCE: 20	
176		ggaattcgtc gcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca	
177		ctcctccaaa aaa	73
		SEQ ID NO 21	
		LENGTH: 77	
180		TYPE: DNA	
181		ORGANISM: Bacteriophage T7	
		FEATURE:	
		OTHER INFORMATION: Description of Artificial Sequence:peptide	
		SEQUENCE: 21	
185		tctctttttt ggaggagtgt cgttcttagc gatgttaatc gtgtccatgg tggtatgcag	
186			77
		SEQ ID NO 22	
		LENGTH: 13	
		TYPE: DNA	
		ORGANISM: Artificial Sequence	
		FEATURE:	
		OTHER INFORMATION: Description of Artificial SequenceOLIGO	
		SEQUENCE: 22	1.2
194		ggaattcgtc tcg	13

PAGE: 5 RAW SEQUENCE LISTING DATE: 09/03/1999 TIME: 15:08:44

PATENT APPLICATION US/08/978,637A

		Input Set: H978	637A.RAW
195		SEQ ID NO 23	
196		LENGTH: 33	
197		TYPE: DNA	
198		ORGANISM: Artificial Sequence	
199		FEATURE:	
200		OTHER INFORMATION: Description of Artificial Sequence:OLIGO	
201	<400>	SEQUENCE: 23	
202		gagaaaggta aaattototg acatogaact ggc	33
203		SEQ ID NO 24	
204		LENGTH: 17	
205		TYPE: DNA	
206		ORGANISM: Artificial Sequence	
207		FEATURE:	
208		OTHER INFORMATION: Description of Artificial Sequence:OLIGO	
209	<400>	SEQUENCE: 24	
210		ccttaagcag agcctct	17
		SEQ ID NO 25	
212		LENGTH: 29	
213		TYPE: DNA	
214		ORGANISM: Artificial Sequence FEATURE:	
215			
216 217		OTHER INFORMATION: Description of Artificial Sequence: OLIGO	
217	<400>	SEQUENCE: 25 ttccatttta agagactgta gcttgaccg	29
218	-210-	SEO ID NO 26	23
220		LENGTH: 106	
221		TYPE: DNA	
222		ORGANISM: Artificial Sequence	
223		FEATURE:	
224		OTHER INFORMATION: Description of Artificial Sequence:OLGIO	
225		SEQUENCE: 26	
226		ggaattegte tegagetetg ateaceacea tggacaegat taacateget aagaaegaca	60
227		ctcctccaaa aaagagaaag gtaaaattct ctgacatcga actggc	106
228	<210>	SEQ ID NO 27	
229		LENGTH: 106	
230 .		TYPE: DNA	
231		ORGANISM: Artificial Sequence	
232		FEATURE:	
233	<223>	OTHER INFORMATION: Description of Artificial Sequence:OLIGO	
234		SEQUENCE: 27	
235		gccagttcga tgtcagagaa ttttaccttt ctcttttttg gaggagtgtc gttcttagcg	60
236		atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc	106
237	<210>	SEQ ID NO 28	
238	<211>	LENGTH: 50	
239	<212>	TYPE: DNA	
240	<213>	ORGANISM: Bacteriophage T7	
241	<220>	FEATURE:	
242	<223>	OTHER INFORMATION: Description of Artificial Sequence:peptide	
243	<400>	SEQUENCE: 28	
244		atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc	50

PAGE:

VERIFICATION SUMMARY DATE: 09/03/1999 PATENT APPLICATION US/08/978,637A TIME: 15:08:44

Input Set: H978637A.RAW

Line ? Error/Warning

Original Text